Index of Claims

| Application/Control No | Ī |
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10/014,428

Examiner

Reexamination

Applicant(s)/Patent under

OHTA, SEIYA

Appeal

Art Unit

Chriss S. Yoder, III

2612

Rejected Allowed

| _ | (Through numeral)<br>Cancelled |
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|   |                                |

Restricted

Non-Elected N Interference Α 0 Objected

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| Cla         | aim                              | I -      |          |          |                              | Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |          |          | $\neg$   |
| Final       | Original                         | 9/12/05  |          |          |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          |          |          |
|             | 1<br>2<br>3<br>4<br>5            | +        |          |          |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          |          | Ħ        |
| <u> </u>    | 2                                | +        |          | _        | $\vdash$                     | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | H        |          | _        | Н        |
|             | 3                                | +        |          | -        | _                            | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | _        |          | _        | $\vdash$ |
|             | 5                                | +        |          | $\vdash$ | -                            | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | $\vdash$ | _        |          | Н        |
| <del></del> | 6                                | +        | -        |          | -                            | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -        | _        | -        | H        |
| <del></del> | 6<br>7                           | +        | $\vdash$ | $\vdash$ | $\vdash$                     | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | $\vdash$ | -        | -        | H        |
| <u> </u>    | 8                                | +        | $\vdash$ |          | $\vdash$                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          | $\vdash$ | Н        |
|             | 9                                | +        | -        | Н        | $\vdash$                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Н        | $\vdash$ |          | Н        |
|             | 10                               | +        | _        | П        |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | H        |          |          | П        |
|             | 11                               | +        |          | П        |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | П        |          | <u> </u> | П        |
|             | 12<br>13<br>14<br>15<br>16<br>17 | +        |          |          |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          |          |          |
|             | 13                               | +        |          |          |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          |          | П        |
|             | 14                               | +        |          |          |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          |          |          |
|             | 15                               | +        |          |          |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          |          |          |
|             | 16                               | +        |          |          |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          |          |          |
|             | 17                               | +        |          |          |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          |          |          |
|             | 18                               | +        |          |          |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          |          | Ш        |
|             | 19                               | +        |          |          |                              | L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |          |          | Ш        |
|             | 20                               | +        |          | L        |                              | L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |          | <u> </u> | Ш        |
| L           | 21<br>22                         | +        |          |          |                              | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |          |          | Ш        |
|             | 22                               | +        |          |          |                              | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |          |          | Ш        |
| ļ           | 23<br>24<br>25                   | +        |          |          |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          | _        | Ы        |
|             | 24                               | +        |          |          |                              | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |          | <u> </u> | Ш        |
| ļ           | 25                               | +        |          |          |                              | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | _        |          | <u> </u> | Н        |
| ļ           | 26<br>27                         | Н        |          |          |                              | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |          | _        | Н        |
|             | 27                               | Н        |          |          |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          |          | Н        |
|             | 28<br>29                         | $\vdash$ | _        | _        | _                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | _        | $\vdash$ | <u> </u> | Н        |
| <u> </u>    | 30                               |          |          |          |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          | -        | Н        |
|             | 31                               | Н        | -        |          | _                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | H        | -        | -        | Н        |
|             | 37                               | Н        |          |          |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -        | -        | $\vdash$ | Н        |
|             | 31<br>32<br>33                   | $\vdash$ |          |          | -                            | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Н        | -        | $\vdash$ | Н        |
|             | 34                               | Н        |          |          |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Н        |          | $\vdash$ | Н        |
|             | 34<br>35                         | Н        |          | $\vdash$ |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | $\vdash$ | М        | $\vdash$ | Н        |
|             | 36                               |          |          |          |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          | _        | П        |
|             | 36<br>37                         |          |          |          |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          | -        |          | П        |
|             | 38                               |          |          |          |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          |          | П        |
|             | 39                               |          |          |          |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          |          |          |
|             | 40                               |          |          |          |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          |          |          |
|             | 41                               |          |          |          |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          |          |          |
|             | 42                               |          |          |          | $\Box$                       | $\Box$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |          |          | Ш        |
|             | 43                               |          |          |          |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          |          |          |
|             | 44                               |          |          | $\Box$   |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          |          | Ш        |
|             | 45                               | Ш        |          | Щ        | $oxed{oxed}$                 | $ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{le}}}}}}$ | Щ        | Ш        | L        | Ш        |
|             | 46                               | Щ        | <u> </u> | <u> </u> | $ldsymbol{ldsymbol{\sqcup}}$ | L_                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <u> </u> | _        |          | Ш        |
|             | 47                               | Щ        |          |          | <u> </u>                     | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <u> </u> | Ш        | <u> </u> | Ш        |
|             | 48                               | Щ        |          | L        | $\vdash$                     | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | L        | Ш        | <u> </u> | Н        |
|             | 49                               | Щ        |          | L        |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | L        | <u> </u> | L-       | Ш        |
| 1           | 50                               |          |          |          |                              | ı                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |          |          | ıí       |

| lai                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | m        |                |              |          | -        | Date     | e                |                                                  |          |          | lí | Cla         | im       |          |          |          | [ | Date         | •        |          |          |          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------------|--------------|----------|----------|----------|------------------|--------------------------------------------------|----------|----------|----|-------------|----------|----------|----------|----------|---|--------------|----------|----------|----------|----------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Original | 9/15/05        |              |          |          |          |                  |                                                  |          |          |    | Final       | Original |          |          |          |   |              |          |          |          |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1        | +              |              |          |          |          |                  |                                                  |          |          |    |             | 51       |          |          |          |   |              |          |          |          |          |
| $\perp$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2        | +              |              |          |          |          |                  | L                                                |          | L        |    |             | 52       |          |          |          |   |              |          |          |          |          |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 3        | +              |              | L.       | _        |          | _                | _                                                | ┖        | ᆫ        |    |             | 53       |          | _        |          |   |              | _        |          |          | Ш        |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 4        | +              |              |          | _        |          | <u> </u>         | <u>_</u>                                         | <u> </u> | L        |    |             | 54       | $\Box$   | _        |          |   |              |          |          |          | Ш        |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 5        | +              | _            | <u> </u> | <u>_</u> | _        | _                | <u> </u>                                         |          | <u> </u> |    |             | 55       | _        | _        | _        |   | $oxed{oxed}$ | _        |          | Ш        | Щ        |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 6        | +              | <u> </u>     | <u> </u> | <u> </u> | <u> </u> | <u> </u>         | <u> </u>                                         | _        | <u> </u> |    |             | 56       |          |          | _        |   |              |          | _        | Ш        | -        |
| +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 7        | +              | <u> </u>     | <u> </u> | _        | _        | _                | <u> </u>                                         | _        | <u> </u> |    |             | 57       | $\sqcup$ |          | _        |   |              |          |          | Н        | Н        |
| +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 8        | +              | <u> </u>     | <u> </u> | ┝        | -        | $\vdash$         | ⊢                                                | _        | L        |    |             | 58       | $\vdash$ | $\dashv$ | _        |   | _            |          |          |          | Н        |
| +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 9        | +              | -            | H        | -        |          | -                | -                                                |          | $\vdash$ |    |             | 59<br>60 |          | $\dashv$ |          |   |              |          |          |          | Н        |
| +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 10<br>11 | +              | <u> </u>     | <u> </u> | ⊢        |          | <u> </u>         | -                                                | -        | ⊢        |    |             | 61       | $\dashv$ | $\dashv$ | _        |   |              | $\vdash$ |          | Н        | Н        |
| +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 12       | + +            | ⊢            | ⊢        | ⊢        | -        | ⊢                | ⊢                                                | ⊢        | $\vdash$ |    | -           | 62       | $\dashv$ | $\dashv$ | _        | - |              | _        | _        | $\vdash$ | Н        |
| +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 13       | +              | ⊢            | $\vdash$ | $\vdash$ | _        | H                | $\vdash$                                         | $\vdash$ |          | }  | -           | 63       | $\dashv$ | $\dashv$ | $\dashv$ |   | _            |          | _        |          | Н        |
| +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 14       | +              | ┢            | -        | -        | -        |                  |                                                  | -        | -        |    |             | 64       | $\dashv$ | -        |          |   |              |          |          |          | H        |
| +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 15       | +              | ┝            |          | $\vdash$ | -        | ┢─               | $\vdash$                                         | ┢        | H        |    |             | 65       | $\dashv$ | $\dashv$ |          |   |              |          |          |          | Н        |
| +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 16       | +              | <del> </del> | _        | $\vdash$ |          | -                | $\vdash$                                         | <u> </u> |          | l  |             | 66       | $\dashv$ | -        |          |   | _            | _        |          |          | $\vdash$ |
| +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 17       | +              | $\vdash$     |          | $\vdash$ | $\vdash$ | -                | $\vdash$                                         |          |          | l  |             | 67       |          | $\neg$   |          | _ |              |          | _        |          | $\Box$   |
| +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 18       | +              |              |          | $\vdash$ | $\vdash$ | $\vdash$         | $\vdash$                                         | $\vdash$ | $\vdash$ |    |             | 68       | $\neg$   | $\neg$   | $\neg$   |   | _            | -        |          |          | $\Box$   |
| +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 19       | +              |              |          |          |          | Н                | $\vdash$                                         | $\vdash$ |          | lt |             | 69       | $\neg$   | ┪        | $\neg$   |   |              |          |          |          |          |
| +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 20       | +              |              |          |          | $\vdash$ | Т                | _                                                | T        |          |    |             | 70       |          | $\neg$   |          |   |              |          |          |          | П        |
| T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 21       | +              |              |          |          |          |                  | _                                                | Г        |          |    |             | 71       | $\neg$   | $\neg$   |          |   |              |          |          |          | П        |
| 十                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 22       | +              |              |          |          |          |                  |                                                  |          |          |    |             | 72       | $\neg$   |          |          |   |              |          |          |          |          |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 23       | +              |              |          |          |          |                  |                                                  | Г        |          |    |             | 73       |          |          |          |   |              |          |          |          |          |
| Т                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 24       | +              |              |          |          |          |                  |                                                  | Г        |          |    |             | 74       |          |          |          |   |              |          |          | -        |          |
| $oxed{\mathbb{I}}$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 25       | +              |              |          |          |          |                  |                                                  |          |          |    |             | 75       |          |          |          |   |              |          |          |          |          |
| $\perp$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 26       |                |              |          |          |          |                  |                                                  |          |          |    |             | 76       |          |          |          |   |              |          |          |          |          |
| ┙                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 27       |                | L            |          |          |          |                  |                                                  |          |          |    |             | 77       |          |          |          |   |              |          |          |          | Ш        |
| $\perp$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 28       |                |              | _        |          |          |                  | _                                                |          |          |    |             | 78       |          | $\Box$   |          |   |              | $\perp$  |          |          | _        |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 29       |                |              |          |          | L_       | L                |                                                  |          | <u> </u> |    |             | 79       |          |          | _        |   |              |          |          |          |          |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 30       |                |              | L        |          |          | L.               | _                                                | <u> </u> | _        |    |             | 80       | $\Box$   | _        |          |   |              |          |          |          |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 31       |                |              |          |          |          | _                | _                                                | _        | _        |    |             | 81       | $\perp$  | _        | _        |   |              | _        |          |          | _        |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 32       | Ш              | $\vdash$     |          | _        | <u> </u> | ⊢                |                                                  | <u> </u> | _        |    |             | 82       | _        | -        | _        |   |              |          |          |          |          |
| +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 33       |                | $\vdash$     |          | _        | <u> </u> | L                | <u> </u>                                         | -        | _        |    |             | 83       | -        |          | -        | _ | -            | _        |          |          | -        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 34       | $\vdash$       | $\vdash$     | _        | $\vdash$ | -        | ├                | ├                                                | -        | -        |    |             | 84       | $\dashv$ | -        | _        |   |              |          |          |          | -        |
| +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 35<br>36 |                | $\vdash$     | <u> </u> | -        | -        | ⊢                |                                                  | -        | -        |    |             | 85<br>86 | $\vdash$ | -        | _        | _ |              | -        |          | Н        | $\dashv$ |
| +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 37       | $\vdash\dashv$ | ⊢            | <u> </u> | ⊢        | -        | $\vdash$         | ┢                                                | -        | -        |    | $\dashv$    | 87       | $\vdash$ | -        | -        | _ | -            | -        | $\vdash$ |          | $\dashv$ |
| +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 38       | $\vdash$       | $\vdash$     | -        | $\vdash$ | $\vdash$ | $\vdash$         | $\vdash$                                         | $\vdash$ | $\vdash$ |    |             | 88       | $\dashv$ | $\dashv$ | -        | _ |              | _        |          |          | $\dashv$ |
| +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 39       | $\vdash$       | -            | —        | $\vdash$ | -        | $\vdash$         | $\vdash$                                         | $\vdash$ | $\vdash$ |    |             | 89       | $\dashv$ | $\dashv$ | -        | - | $\vdash$     | -        | H        | $\vdash$ | $\dashv$ |
| +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 40       | $\vdash$       | -            | —        | $\vdash$ | -        | <del>  -  </del> | <del>                                     </del> | -        | $\vdash$ |    |             | 90       | $\dashv$ | $\dashv$ | -        |   | _            | $\vdash$ | H        | $\vdash$ | $\dashv$ |
| +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 41       | $\vdash$       | $\vdash$     | -        | $\vdash$ | $\vdash$ | $\vdash$         | $\vdash$                                         | $\vdash$ |          |    | -           | 91       | $\vdash$ | $\dashv$ | -        |   |              |          | -        | $\vdash$ | $\dashv$ |
| +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 42       | $\vdash$       | $\vdash$     | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$         | $\vdash$                                         |          | _        |    |             | 92       | -        | ٦        | -        | _ | -            | -        | -        | H        | $\dashv$ |
| 十                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 43       |                |              | _        | $\vdash$ | $\vdash$ |                  | Ι-                                               |          |          |    | $\neg \neg$ | 93       | $\dashv$ | ᅱ        | T        | _ |              |          | Н        |          | $\dashv$ |
| $\top$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 44       | М              |              | $\vdash$ | $\vdash$ |          | Г                | _                                                |          | Г        |    |             | 94       | $\dashv$ | $\neg$   |          |   |              |          |          |          | П        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 45       | $\Box$         | П            | _        | Г        |          |                  |                                                  |          |          |    |             | 95       |          |          |          |   |              |          |          |          |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 46       |                |              |          | Г        | Г        |                  | Г                                                |          |          |    |             | 96       | $\Box$   | $\neg$   |          |   |              |          |          |          | П        |
| _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 47       |                |              |          |          |          |                  |                                                  |          |          |    |             | 97       |          |          |          |   |              |          |          |          |          |
| I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 48       |                |              |          |          |          |                  |                                                  |          |          |    |             | 98       |          |          |          |   |              |          |          |          |          |
| $oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{ol}}}}}}}}}}}}}}}$ | 49       |                |              |          |          |          |                  |                                                  |          |          |    |             | 99       |          |          |          |   |              |          |          |          |          |
| $\perp$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 50       |                | L            | L        |          |          | <u> </u>         |                                                  |          |          | [  |             | 100      |          | ]        |          |   | ليا          |          |          |          | Ш        |

|       |                   |              |          |          | -        |                                                  |          |          | •        |                 |
|-------|-------------------|--------------|----------|----------|----------|--------------------------------------------------|----------|----------|----------|-----------------|
| Cli   | aim               |              |          |          | - (      | Date                                             | e        |          |          |                 |
| Final | Original          |              |          |          |          |                                                  |          |          |          |                 |
|       | 101               |              |          |          | _        |                                                  |          |          | _        | Н               |
|       | 101<br>102        |              |          |          |          |                                                  |          |          |          |                 |
|       | 103               |              |          |          |          |                                                  |          |          |          |                 |
|       | 104<br>105        |              |          | _        | ļ        |                                                  |          |          |          | Щ               |
|       | 105               |              |          |          | <u> </u> | <u> </u>                                         |          |          | <u> </u> | Ц               |
|       | 106               | Ш            |          | _        | <u> </u> | _                                                | $oxed{}$ | ldash    | _        | Щ               |
|       | 107               |              |          | _        | <u> </u> |                                                  | $\vdash$ | _        | _        | Ш               |
|       | 108               |              |          |          | -        | H                                                | -        | _        | _        | Н               |
|       | 109<br>110        | -            |          | -        | -        | -                                                |          | _        | -        | $\vdash$        |
| -     | 111               | H            | -        | _        | -        | -                                                | $\vdash$ | -        |          | Н               |
|       | 112               | $\vdash$     |          | -        | $\vdash$ | $\vdash$                                         | -        | -        | -        | $\vdash \vdash$ |
|       | 112<br>113        |              | H        | H        | $\vdash$ | <del>                                     </del> | $\vdash$ | H        | -        | Н               |
|       | 114               |              |          |          |          |                                                  | -        | -        |          | $\vdash$        |
|       | 115               |              |          |          |          |                                                  |          |          |          | Н               |
|       | 116               |              |          |          |          |                                                  | Г        |          |          | П               |
|       | 117               |              |          |          |          |                                                  |          |          |          |                 |
|       | 118               |              |          |          |          |                                                  |          |          |          |                 |
|       | 119               |              |          |          |          |                                                  |          |          |          |                 |
|       | 120               |              |          |          |          |                                                  |          |          |          |                 |
|       | 121<br>122        |              |          |          |          |                                                  |          |          |          |                 |
|       | 122               |              |          |          |          |                                                  |          |          |          | Ш               |
|       | 123               |              |          |          | _        |                                                  | $\vdash$ |          | _        | Щ               |
|       | 123<br>124<br>125 | _            | _        |          | _        | _                                                | $\vdash$ |          | $\vdash$ | Н               |
|       | 125               |              | -        | $\vdash$ | _        | -                                                | H        | $\vdash$ |          | Н               |
|       | 126<br>127        | <del> </del> |          |          | _        | _                                                | <u> </u> | -        |          | Н               |
|       | 128               |              | -        |          | _        | -                                                |          | H        | _        | H               |
| -     | 128<br>129        |              |          | $\vdash$ |          | -                                                |          | $\vdash$ | _        | Н               |
|       | 130               |              |          |          | _        |                                                  | -        |          |          |                 |
|       | 131               |              |          | _        |          |                                                  |          |          | _        | Н               |
|       | 131<br>132        |              |          |          |          |                                                  |          |          |          | Н               |
|       | 133               |              |          |          |          |                                                  |          |          |          |                 |
|       | 134               |              |          |          |          |                                                  |          |          |          |                 |
|       | 134<br>135        |              |          |          |          |                                                  |          |          |          | Ш               |
|       | 136               | L            |          |          | <u></u>  |                                                  |          |          |          | Ш               |
|       | 137               |              |          |          | _        | L                                                | _        |          |          | Ш               |
|       | 138               | _            | _        | _        | _        | _                                                | $\vdash$ | _        | <u> </u> | $\vdash$        |
|       | 139<br>140        | <u> </u>     |          | -        | _        | <u> </u>                                         | _        | _        | -        | Н               |
|       | 141               | $\vdash$     |          | $\vdash$ | _        | $\vdash$                                         | _        | _        | _        | $\vdash$        |
|       | 142               |              | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$                                         | $\vdash$ | Н        | $\vdash$ | $\vdash \vdash$ |
|       | 143               | $\vdash$     | -        | $\vdash$ | _        |                                                  | $\vdash$ | Η-       | -        | dash            |
|       | 144               | $\vdash$     |          | -        | Η.       | H                                                | $\vdash$ | Н        | $\vdash$ | $\vdash \vdash$ |
|       | 145               |              |          | Н        | Н        | Ι                                                | $\vdash$ | $\vdash$ | _        | H               |
|       | 146               | П            |          | _        |          | Г                                                | П        | П        | $\Box$   | П               |
|       | 147               |              |          |          |          | Г                                                |          | П        |          | П               |
|       | 148               |              |          |          |          |                                                  |          |          |          |                 |
|       | 149               |              |          |          |          |                                                  |          |          |          |                 |
|       | 150               |              |          |          |          |                                                  |          |          |          |                 |